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SECOND AND SUPPLEMENTARY NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL. APPLICATION (TO DESIGNATED OFFICES WHICH APPLY THE 30 MONTH TIME LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

Date of mailing (day/month/year) 27 April 2006 (27.04.2006)

Applicant's or agent's file reference FADT0415PCT

IMPORTANT NOTICE

International application No. PCT/JP2004/019269

International filing date (day/month/year) 16 December 2004 (16.12.2004)

To

Priority date (day/month/year) 25 December 2003 (25.12.2003)

Applicant

ADVANTEST CORPORATION et al.

- 1. ATTENTION: For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does not apply, please see Form PCT/IB/308(First Notice) issued previously.
- 2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below: 14 July 2005 (14.07.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, PG, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93his.1:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SG, SK, SL, SM, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For regular updates on the applicable time limits (30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette, the PCT Newsletter and the PCT Applicant's Guide, Volume II, National Chapters, all available from WIPO's Internet site, at http://www.wipo.int/pct/en/index.html.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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(19) 世界知的所有権機関 国際事務局



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2003 年12 月25 日 (25.12.2003) JP (71) 出願人(米国を除く全ての指定国について): 株式会

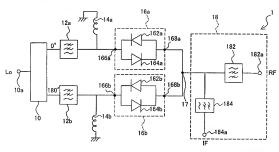
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 - (81) 指定国(表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR,

/続葉有/

(54) Title: FREOUENCY CONVERTER

(54) 発明の名称: 周波数変換器



(57) Abstract: To keep generally constant the frequency characteristic of conversion loss during conversion of high frequency received signals into intermediate frequency signals. There are included a balanced balun (10) that branches a local oscillation signal (Lo.) into two signals of the same amplitude having a phase difference of 180 degrees therebetween; low-pass filters (12a,12b) with a high frequency received signal (RF) to produce an intermediate frequency signal (IF). The low-pass filters (12a,12b) with a high frequency received signal (RF) to produce an intermediate frequency signal (IF). The low-pass filters (12a,12b) with a good constant impedances in the frequency band of the high frequency received signal (RF). Accordingly, the impedance of the anti-parallel diode good in the low-pass filters (12a,12b) with a least the signal of the high frequency received signal (RF). Accordingly, the impedance of the anti-parallel diode good in the low-pass filters (12a,12b) with the result that the frequency characteristic of conversion loss can be kety generally constant.

(57) 契約: 高周波受信信号を中間周波数信号に変換する際の変換損失の周波数特性をほぼ一定にする。局部発援信信号としま180度位相を異ならせた同張幅の二信号に分岐する平衡パラン10と、二信号が通過するローパスフィルタ1

[続葉有]

(84) 指定国 (表示のない限り、全ての種類の広域保護 が可能): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類: 一 国際調査報告書

2文字コード及び他の略語については、定期発行される 各PCTガゼットの巻頭に掲載されている「コードと略語 のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

Japanese Patent Office

Faesimile No.

International application No. PCT/JP2004/019269 CLASSIFICATION OF SUBJECT MATTER Int.Cl' H03D7/14 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 H03D7/00-9/06 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 1922-1996 Toroku Jitsuyo Shinan Koho Jitsuvo Shinan Koho 1994-2005 Kokai Jitsuvo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X JP 2001-223534 A (Mitsubishi Electric Corp.), 1-6,8-10 γ 17 August, 2001 (17.08.01), Par. Nos. [0031] to [0041]; Figs. 7 to 13 (Family: none) JP 2003-008384 A (Eni Technology, Inc.), Υ 7 10 January, 2003 (10.01.03), Full text; all drawings & US 2002-0149445 A1 & EP 1263135 A2 & CN 1384604 A Y JP 09-214276 A (Tohoku Ricoh Co., Ltd.), 7 15 August, 1997 (15.08.97), Par. Nos. [0021] to [0027]; Figs. 2, 6 (Family: none) Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority "A" document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand to be of particular relevance the principle or theory underlying the invention "E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is "O" document referring to an oral disclosure, use, exhibition or other means combined with one or more other such documents, such combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 29 March, 2005 (29.03.05) 19 April, 2005 (19.04.05) Name and mailing address of the ISA/ Authorized officer

Telephone No.

	風する分野の分類 (国際特許分類 (IPC)) Cl' H03D 7/14	·	•
調査を行った	行った分野 微小服資料(国際特許分類(I PC)) C)		
日本国3 日本国3 日本国3	外の資料で調査を行った分野に含まれるもの 集用新案公報 1922-1996年 公開英用新案公報 1971-2005年 経験実用新案公報 1994-2005年 実用新案登録公報 1996-2005年		
国際調査で使用	用した電子データベース(データベースの名称、	、調査に使用した用語)	
C. 関連する	ると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連する。	ときは、その関連する箇所の表示	関連する 請求の範囲の番号
X Y	JP 2001-223534 A(1 2001.08.17,第0031- (ファミリーなし)		1-6, 8-10
Y	JP 2003-008384 A (- ンコーポレイデッド) 2003.0 &US・2002-0149445 &EP 1263135 A2, &CN 1384604 A	1.10,全文,全図	7
区欄の続き	きにも文献が列挙されている。	□ パテントファミリーに関する別	紙を参照。
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願目前の出願または特許であるが、国際出題日 以後に公表されたもの 「L」優先権主張に娶養を拒極する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用する 「O」口頃による開示、使用、展示等に言及する文献 「P」国際出願目前で、かつ優先権の主張の基礎となる出願 「E、」同一ペテントファミリー文献			
国際調査を完了	了した日 29.03.2005	国際調査報告の発送日 19.4	1. 2005
日本日	の名称及びあて先 型特許庁(ISA/JP) 郵便番号100-8915 系千代田区復が関三丁目4番3号	特許庁審査官(権限のある職員) 白井 孝治 電話番号 03-3581-1101	5W 8843 内線 3576

	国際調査報告 国際出願番号 P (СТ/ЈР20	04/019269
C (続き).	関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する	簡所の表示	関連する 請求の範囲の番号
Y	JP 09-214276 A(東北リコー株式会社) 1997.08.15,第0021-0027段落,図 (ファミリーなし)		7
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